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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/673,928	12/13/2000	Hannu Maatta	274044	7218
909 . 75	10/30/2003		EXAMINER	
PILLSBURY WINTHROP, LLP P.O. BOX 10500			JACKSON, STEPHEN W	
MCLEAN, VA	-		ART UNIT PAPER NUMBER	
			2836	

DATE MAILED: 10/30/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Application No. Applicant(s)					
-	09/673,928	MAATTA, H	MAATTA, HANNU				
Office Action Summary	Examiner	Art Unit					
	Stephen W Jacks		AW				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status							
1) Responsive to communication(s) filed on 13	December 2000 .						
2a) ☐ This action is <b>FINAL</b> . 2b) ☑ T	his action is non-fir	nal.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims							
4)⊠ Claim(s) <u>1-5</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-5</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on 13 December 2000 is/gree, s) Seconted as by the Examiner.							
10)⊠ The drawing(s) filed on <u>13 December 2000</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action.							
12) ☐ The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
, a)⊠All b)□ Some * c)□ None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
a) The translation of the foreign language provisional application has been received.							
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	4)	Interview Summary (PTO-413) Pa Notice of Informal Patent Applicat Other:					
U.S. Patent and Trademark Office PTOL-326 (Rev. 04-01)  Office A	Action Summary		Part of Paper No. 10				

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bender et al (4,999,731) in view of Ashe et al (4,794,367 both from IDS of 12-13-00.

Bender teaches a surge protector having a thin ceramic substrate on the surface of which is formed a surge protection resistor having a serpentine path extending over the substrate, the width of the path and the distance between adjacent path lengths being relatively narrow. In the abstract, it is said that resistance trimming means are provided, positioned such that there is even (isothermal) heat distribution over the substrate during surge events.

The device taught by Bender differs from the claims by not having the surge protection resistor configured as an arrangement of parallel lines with trimmable bridges between the lines. Ashe teaches resistor-on-substrate (thin film) arrangement that attains different values of resistance and/or surface area by forming the resistive

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material as a mesh having parallel lines with intersecting resistive elements that are said to be trimmable (see abstract).

It would have been obvious to one of ordinary skill in the art to combine the teachings of Ashe into the device of Bender to meet the claims because both teachings use thin film resistance elements in their construction, with the arrangement of Ashe increasing the flexibility of a surge protector by making a larger number of resistance values available. With respect to the limitations of claims 2-4, Ashe and Bender both teach that the number and location of lines and bridges cut to perform the trimming operation are normal design considerations related to the performance needs of the resistor on substrate arrangement.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen W Jackson whose telephone number is 703-308-2137. The examiner can normally be reached on 6:30am-3:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on 703-308-3119. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-

0956.

STEPHEN W. JACKSON PRIMARY EXAMINER

Kephen is

SWJackson

October 29, 2003